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L14: Entry 29 of 32

File JPAB

Jul 5, 1989

PUB-NO: JP401170102A

DOCUMENT-IDENTIFIER: JP 01170102 A

TITLE: MICROWAVE DIELECTRIC RESONATOR DEVICE

PUBN-DATE: July 5, 1989

INVENTOR-INFORMATION:

NAME

COUNTRY

TANAKA, TOSHIHIDE

ASSIGNEE-INFORMATION:

NAME

COUNTRY

MATSUSHITA ELECTRIC IND CO LTD

APPL-NO: JP62328557

APPL-DATE: December 24, 1987

US-CL-CURRENT: (333/219.1)

INT-CL (IPC): H01P 7/10; H01L 39/00; H01P 1/20; H03B 5/18

ABSTRACT:

PURPOSE: To improve the inserting loss and frequency selectivity characteristics of a filter by composing the tip of a post for adjusting a resonance frequency of a superconductor in a microwave dielectric resonator device.

CONSTITUTION: The dielectric resonator device is composed of passing type waveguides 1, a shielding waveguide 2 connected in the middle of them, dielectric resonators 3, 4 and 5 arranged in the waveguide 2, and superconductor plates 9~11 fitted to the tips of adjusting posts 6~8 to adjust the frequency characteristic of a band-pass filter. Since the tips of the posts 6~8 are composed of the superconductors 9~11 in such a way, the change of the Q of a dielectric resonator due to the adjustment of the resonance frequency cannot be generated, and only the resonance frequency can be changed.

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L12: Entry 1 of 4

File: JPAB

Aug 3, 2001

PUB-NO: JP02001211004A

DOCUMENT-IDENTIFIER: JP 2001211004 A

TITLE: SUPERCONDUCTING FILTER

PUBN-DATE: August 3, 2001

INVENTOR INFORMATION:

NAME

COUNTRY

MURAYAMA, KYOHEI

ASSIGNEE INFORMATION:

NAME

COUNTRY

DAIKIN IND LTD

APPL-NO: JP2000021829

APPL-DATE: January 26, 2000

INT-CL (IPC): H01 P 1/203; H01 L 39/00

ABSTRACT:

PROBLEM TO BE SOLVED: To perform superconducting filter tuning without decreasing Q.

SOLUTION: At the inner bottom part of a metal case 7, a superconducting filter main body is fixed. The superconducting filter main body is provided by forming an arranging plane 3 on the bottom plane of a first dielectric base 2 and by forming a superconducting resonator pattern 1 on the upper plane. And then, at the upper part of the superconducting filter main body, a second dielectric base 5 having a shielding plane 6 composed of superconducting thin film on the upper plane is installed to freely move up and down. A bolt member 13 that penetrates the upper part of the metal case 7 and is freely turnable is provided, and a female screw member 14 that engages with the bolt member 13 is provided on the upper plane of the shield plane 6.

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WEST Search History

DATE: Monday, March 31, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=ADJ

L18 117 and distance 84 L18

L17 (superconduct\$ with (tip or end)) and (filter or resonator) 169 L17

DB JPAB; PLUR=YES; OP=ADJ

L16 superconduct\$ and (tip or end) and (filter or resonator) 34 L16

L15 superconduct\$ and tip 229 L15

L14 L13 and (adjust\$) 32 L14

L13 L10 and superconduct\$ 293 L13

L12 L11 and superconduct\$ 4 L12

L11 L10 and (tune or tuned or tuning or tunable) 1619 L11

L10 resonator or filter 186246 L10

DB=USPT; PLUR=YES; OP=ADJ

L9 18 and distance 281 L9

L8 L7 and (333/\$.ccls. or 505/\$.ccls.) 619 L8

L7 L6 and (tune or tuned or tuning or tunable) 5657 L7

L6 (filter or resonator) and (high q or high quality) 32045 L6

L5 (filter or resonator) and te011 and (tune or tunable or tuned or tuning) 7 L5

L4 L1 and te011 1 L4

L3 L2 and superconduct\$ 11 L3

L2 L1 and (tuned or tunable or tuning) 125 L2

L1 filter and ((q or quality) with 10000) 449 L1

END OF SEARCH HISTORY